Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the present application:

Listing of Claims:

Claim 1 (previously presented):   A method for recognizing a predetermined vocabulary in spoken language with a computer, comprising the steps of:

(a)   determining a digitalized voice signal from the spoken language;

(b)   conducting a signal analysis on the digitalized voice signal to obtain feature vectors for describing the digitalized voice signal;

(c)   conducting a global search for imaging the feature vectors onto a language in model form, wherein each phoneme of the language is described by a modified hidden Markov model and each status of the hidden Markov model is described by a probability density function;

(d)   adapting the probability density function by modifying the vocabulary by splitting the probability density function into a first probability density function and into a second probability density function if a drop of an entropy value is below a predetermined threshold, wherein the adaptation is dynamically performed at run time; and

(e)   producing a recognized word sequence based on steps a-d.

Claim 2 (canceled).

Claim 3 (previously presented):   A method according to claim 1, comprising modifying the vocabulary by addition of a word to the vocabulary.

Claim 4 (previously presented):   A method according to claim 1, wherein the first probability density function and the second probability density function respectively comprised at least one Gaussian distribution.

Claim 5 (previously presented): A method according to claim 4, comprising determining identical standard deviations, a first average of the first probability density function and a second average of the second probability density function for the first probability density function and for the second probability density function, whereby the first average differs from the second average.

Claim 6 (canceled).

Claim 7 (previously presented): Arrangement for recognizing a predetermined vocabulary in spoken language comprising a processor unit that is configured to:

(a)   determine a digitalized voice signal from the spoken language;

(b)   conduct a signal analysis on the digitalized voice signal, to obtain feature vectors for describing the digitalized voice signal;

(c)   conduct a global search for imaging the feature vectors onto a language present in modeled form, wherein each phoneme of the language is described by a modified hidden Markov model and each status of the hidden Markov model is described by a probability density function;

(d)   adapt a probability density function by modifying the vocabulary, by splitting the probability density function into a first probability density function and into a second probability density function if a drop of an entropy value is below a predetermined threshold, wherein the adaptation is dynamically performed at run time; and

(e)   produce a recognized word sequence as a result of steps a-d.

Claim 8 (canceled).

Claim 9 (previously presented): A method according to claim 1, having an execution time associated therewith, and wherein the step of modifying the vocabulary is completed within the execution time.

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Claim 10 (previously presented):   A method according to claim 1, comprising modifying the vocabulary according to pronunciation habits of a speaker of the language.

Claim 11 (previously presented):   A method according to claim 1, comprising splitting the probability density function multiple times.

Claim 12 (canceled).